

## — Applications —

- 11) A bike path is now  $4\frac{3}{4}$  mi long. It is going to be extended  $2\frac{1}{2}$  miles. How long will it be then? 11) \_\_\_\_\_
- 12) A steel plate that is  $\frac{3}{16}$  in. thick is bolted on top of a piece of plywood that is  $\frac{1}{2}$  in. thick. What is the total thickness? 12) \_\_\_\_\_
- 13) A carpenter has a box of nails, all the same size. He finds that one nail weighs  $\frac{1}{4}$  oz and that all the nails weigh  $64\frac{3}{4}$  oz. About how many nails does he have? 13) \_\_\_\_\_
- 14) A recipe calls for  $\frac{2}{3}$  cup of chopped onion. How much onion is needed to make  $\frac{3}{4}$  of the recipe amount? 14) \_\_\_\_\_
- 15) A pattern for a pillowcase requires  $1\frac{1}{4}$  yd of fabric. How much fabric is needed to make 6 pillowcases? 15) \_\_\_\_\_
- 16) Cement blocks  $\frac{3}{4}$  ft long are being placed along one side of a walk that is  $12\frac{3}{4}$  ft long. How many blocks are needed? 16) \_\_\_\_\_
- 17) Sonya wants to make  $2\frac{1}{2}$  times the amount given by a recipe. The recipe calls for  $1\frac{2}{3}$  cups of tomato sauce. How much tomato sauce should Sonya use? 17) \_\_\_\_\_
- 18) Amanda picked  $\frac{2}{3}$  of a bucket of blueberries. Sally picked  $\frac{1}{2}$  of this amount. How much did Sally pick? 18) \_\_\_\_\_
- 19) A book club advertises, "Buy two books for \$9, then buy as many as you want for \$3 each." Carlos ordered seven books. How much will he pay? 19) \_\_\_\_\_
- 20) Pringle's Orchard charges a fee of \$2.00 to pick apples and \$0.75 for every pound of apples picked. The Salinger family picked 20 pounds of apples at Pringle's Orchard. How much did they pay? 20) \_\_\_\_\_